

REUSE OF MOBILE SATELLITE SPECTRUM FOR TERRESTRIAL COMMUNICATION

ABSTRACT OF THE DISCLOSURE

5 A terrestrial communication system using satellite uplink and
downlink frequencies is disclosed. A terrestrial cell site produces a signal at a
satellite uplink frequency that is transmitted to a terrestrial user terminal. The
terrestrial cell site receives a signal at a satellite downlink frequency that was
transmitted by a terrestrial user terminal. The terrestrial cell site may include a
10 signal nulling means in the direction of a satellite producing signals at the uplink
and downlink frequencies.